

What is claimed is:

1. A paging mode control method comprising the steps of:
forming a delay profile;
searching a path timing on the basis of said delay profile;
5 and
RAKE- receiving paging data on the basis of said path
timing,
wherein said delay profile includes a first delay profile
formed by a speech mode and a second delay profile formed by a
10 paging mode; and
a time range of said second delay profile is wider than that of
said first delay profile.
2. The paging mode control method according to claim 1,
further comprising the step of measuring a paging cycle of said
15 paging data intermittently originated by using a paging clock,
wherein said time range of said second delay profile is larger
than a cycle of said paging clock.
3. The paging mode control method according to claim 1,
wherein said second delay profile is formed by connecting a
20 plurality of said first delay profiles to each other.
4. The paging mode control method according to claim 1,
wherein:
a resolution of said second delay profile is lower than that of
said first delay profile;
25 said delay profile further includes a third delay profile
formed by the paging mode;
a resolution of said third delay profile is equal to that of said
first delay profile,
which further comprises the step of forming said third delay

profile with respect to a range including said path timing searched on the basis of said second delay profile.

5 5. A paging mode control apparatus comprising:
one or more delay profile calculation units for forming a delay profile; and

a RAKE-receiving demodulator for RAKE-receiving paging data on the basis of said delay profile,

wherein:

10 said delay profile includes a first delay profile formed by a speech mode and a second delay profile formed by a paging mode; and

a time range of said second profile is wider than that of said first profile.

15 6. The paging mode control apparatus according to claim 5, further comprising a paging mode control unit for controlling a plurality of said delay profile calculation units,

20 wherein said paging mode control unit notifies said plurality of profile calculation units of timings at which said delay profiles are formed, respectively, and connects said plurality of delay profiles formed by said plurality of delay profile calculation units to form said second delay profile.

7. The paging mode control apparatus according to claim 5, wherein:

25 said paging mode control unit notifies the delay profile calculation unit of a resolution;

said delay profile calculation unit forms said first delay profile on the basis of the notified resolution;

a resolution of said second delay profile is made lower than that of said first delay profile;

said RAKE-receiving demodulator searches a path timing on the basis of said second delay profile;

said delay profile further includes a third delay profile formed in a paging mode by said notified resolution; and

- 5 said path timing is included in a time range of said third delay profile.

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